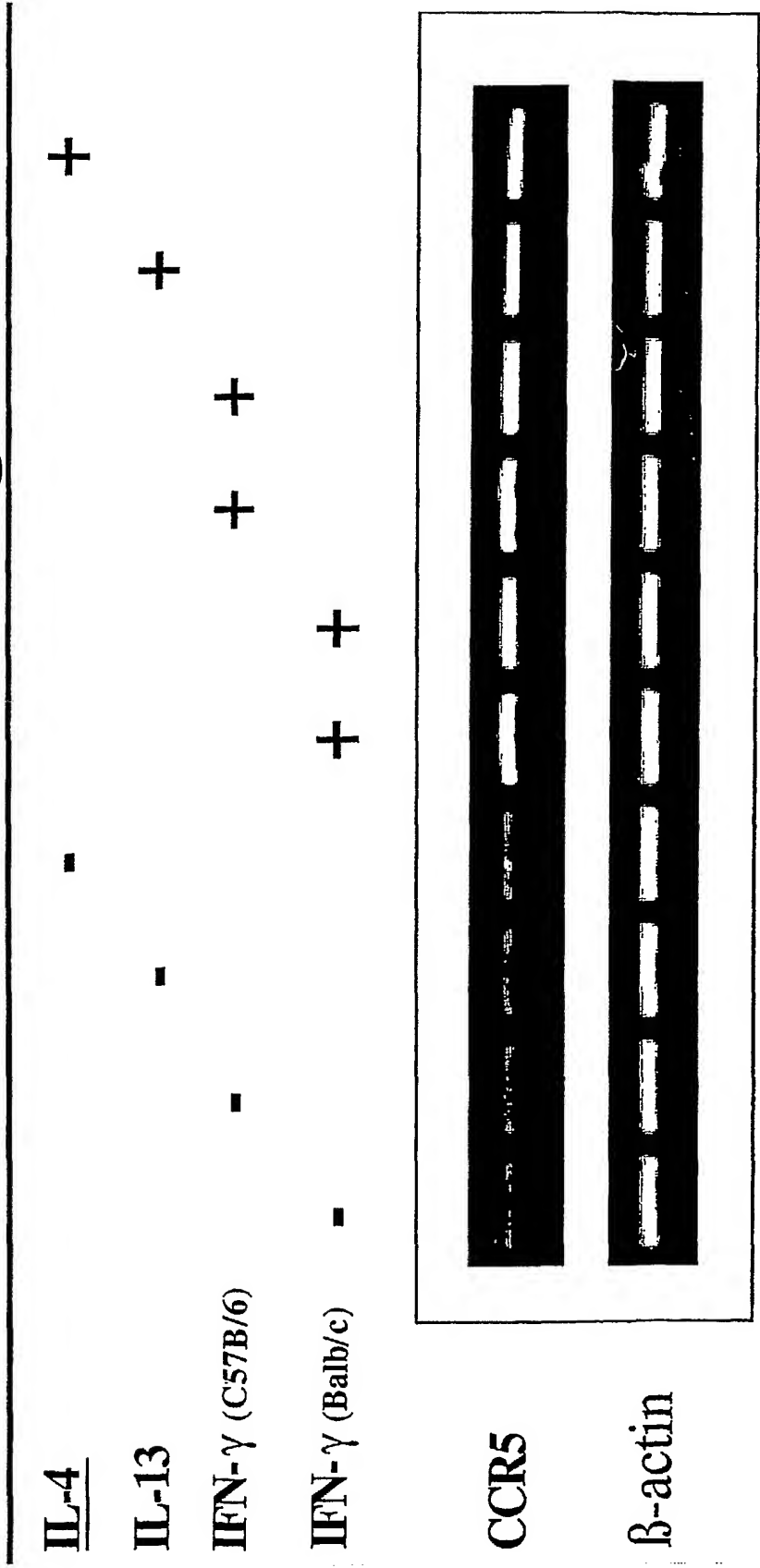
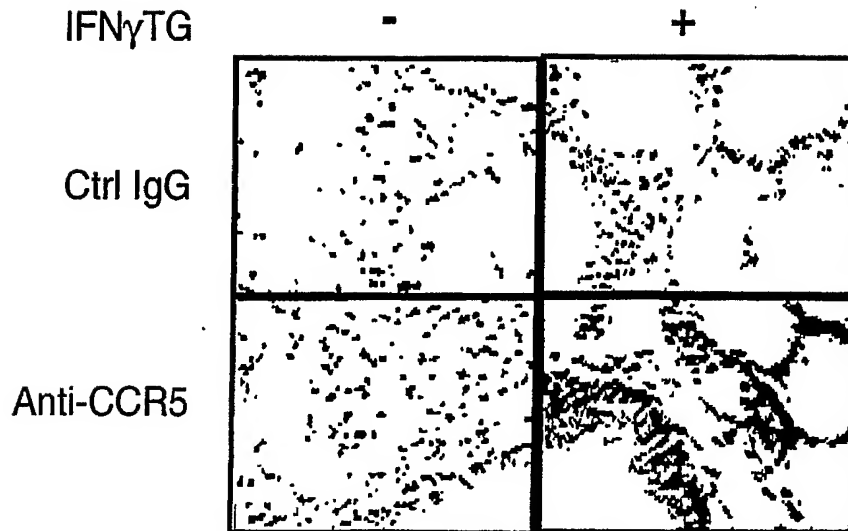
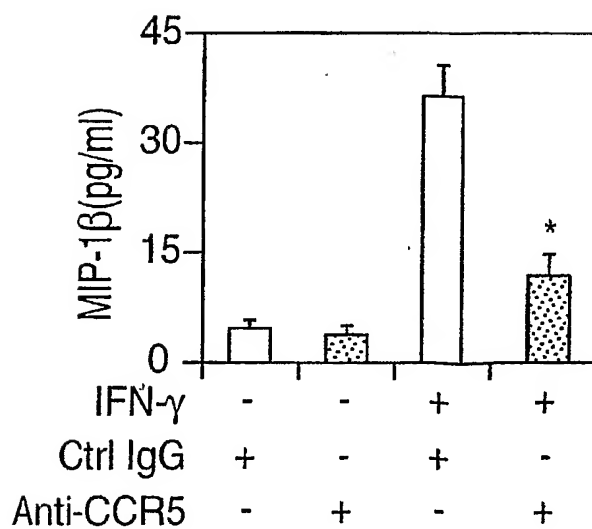


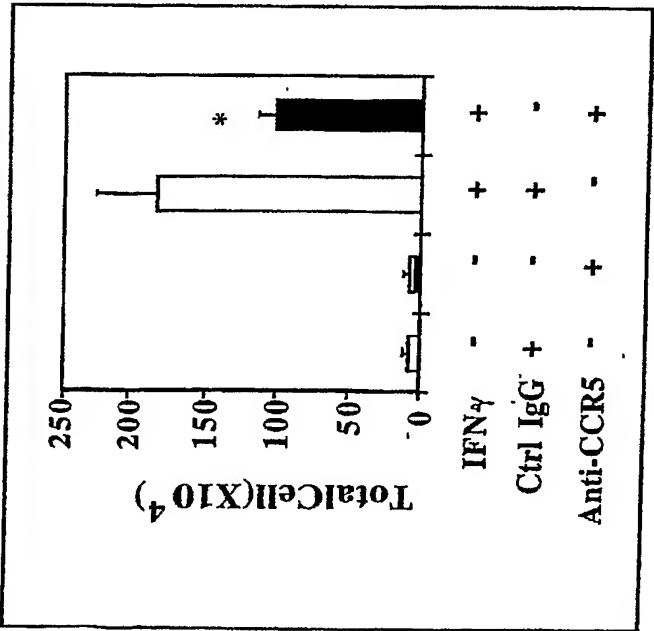
FIG. 1A  
RT-PCR for CCR5 gene



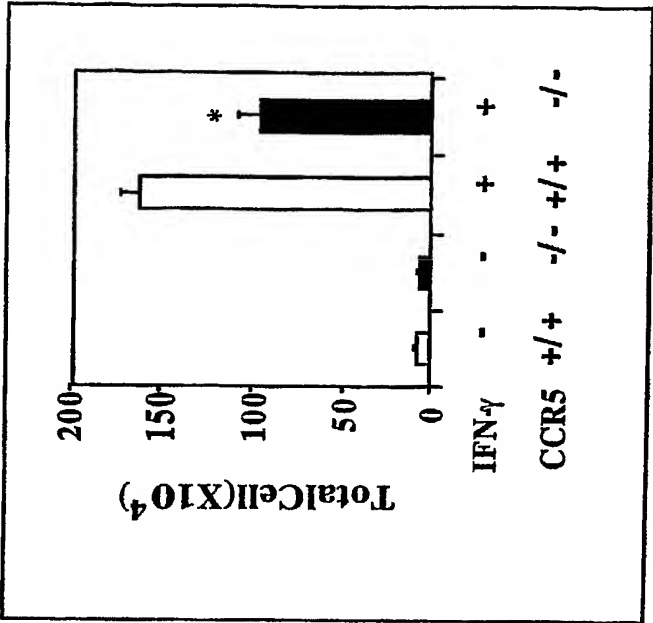
**FIG. 1B**

**FIG. 2A****FIG. 2B**

**BAL total cell count of IFN- $\gamma$  mice after blocking and null mutation of CCR5**



**FIG. 3A**



**FIG. 3B**

# Lung volume change of INF- $\gamma$ mice after blocking and null mutation of CCR5 receptor 5

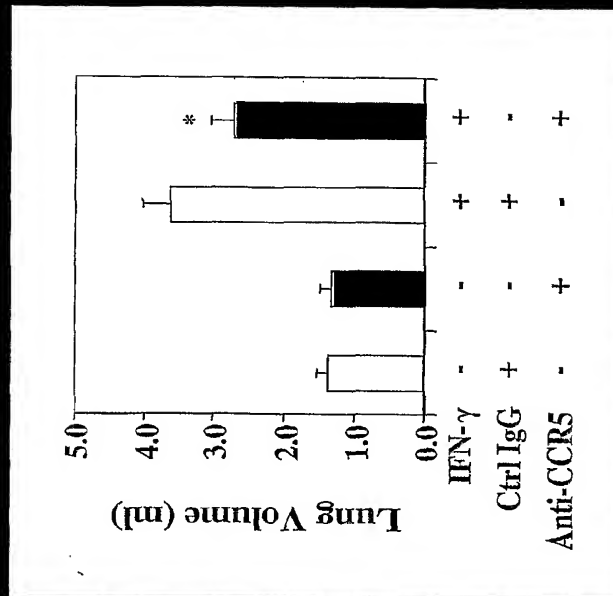


Fig. 4A

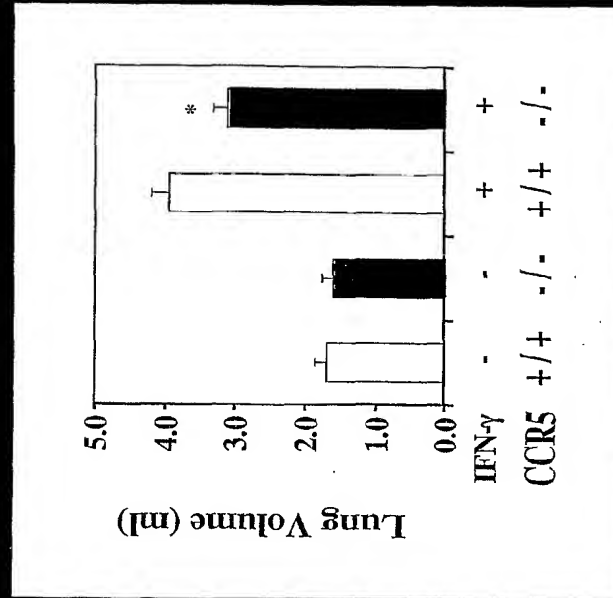
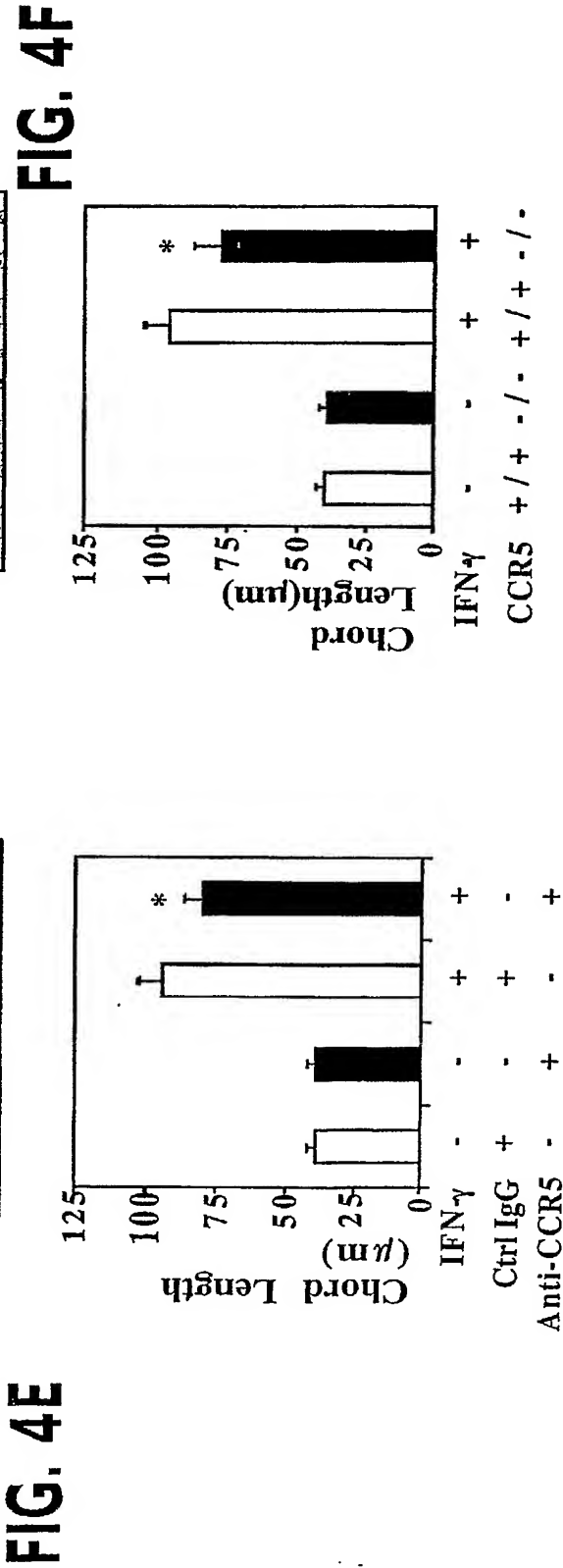
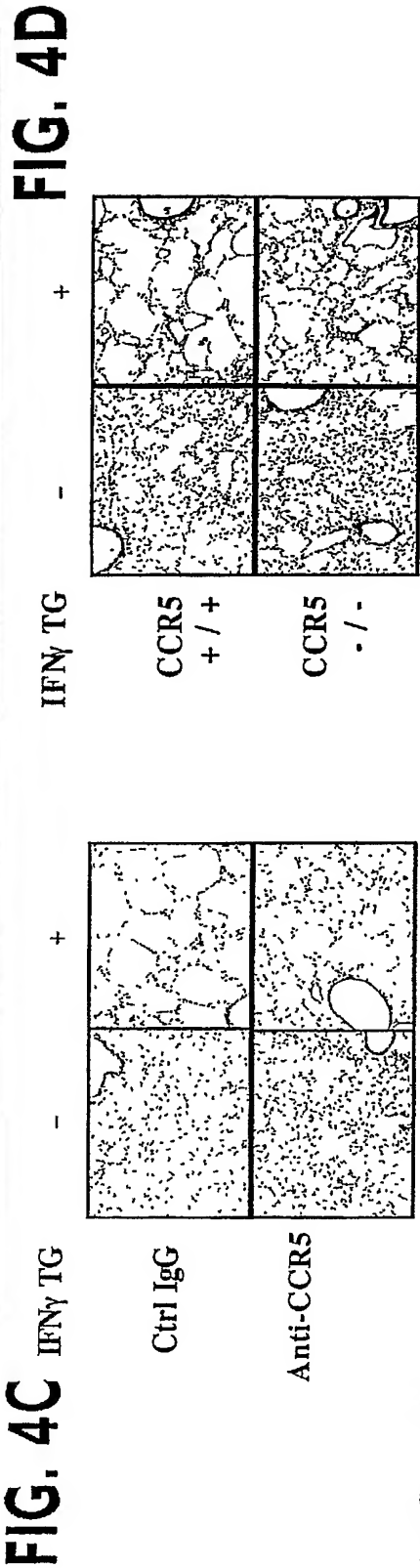
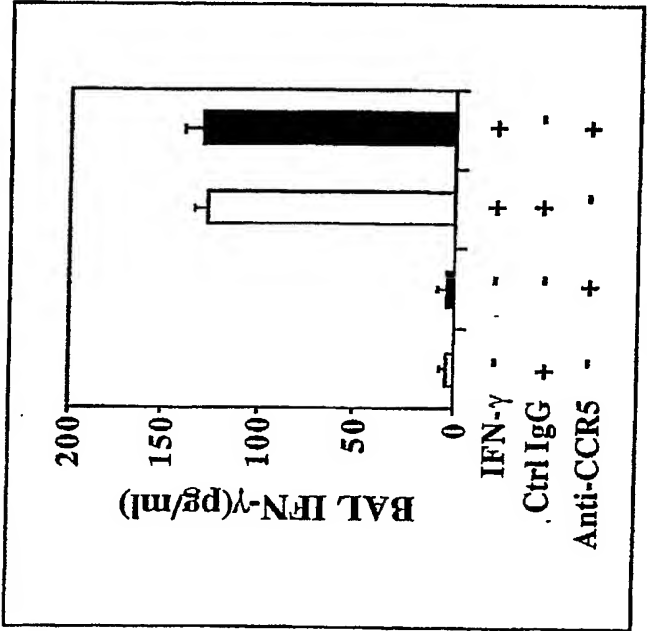


Fig. 4B

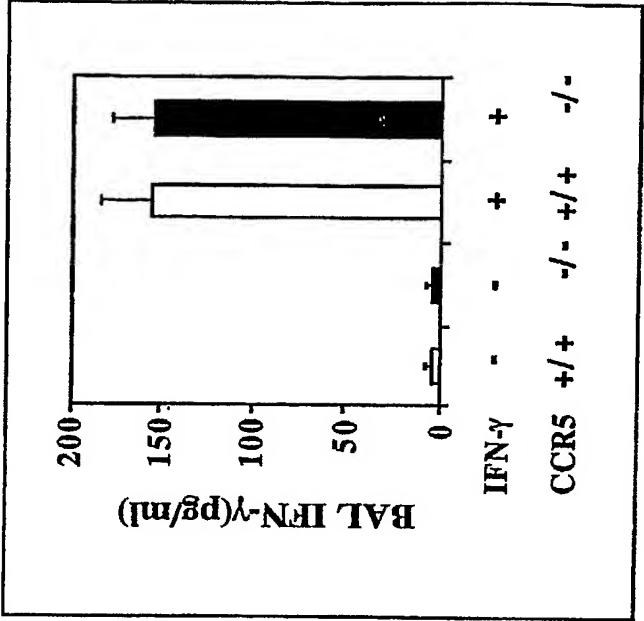
# Blocking and Null Mutation of CCR5 In CC10-IFN- $\gamma$ Mouse Lung



**BAL IFN- $\gamma$  level of CC10-IFN- $\gamma$  mice after blocking and null mutation of CCR5**


















**FIG. 5A**


















**FIG. 5B**

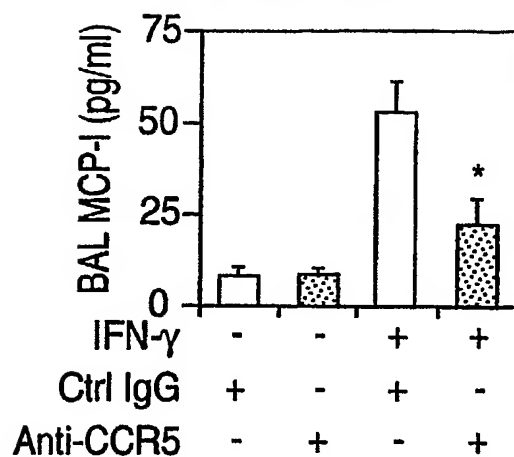
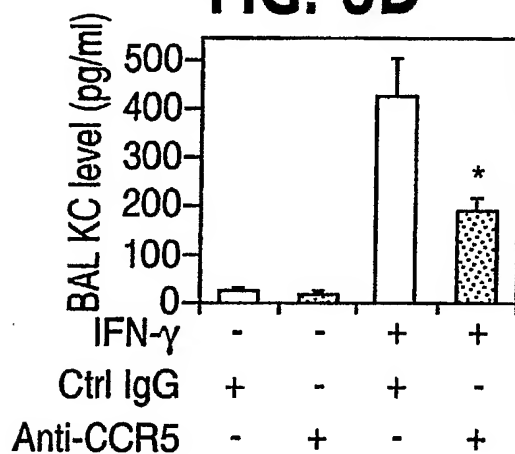
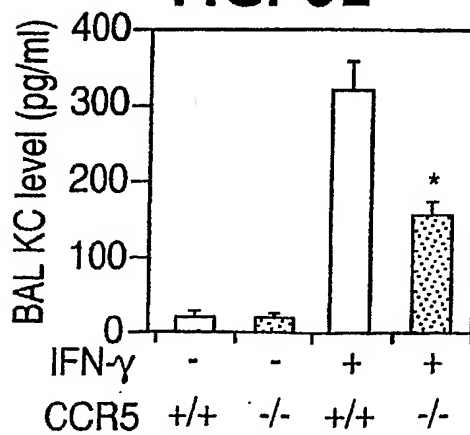
**FIG. 6A**

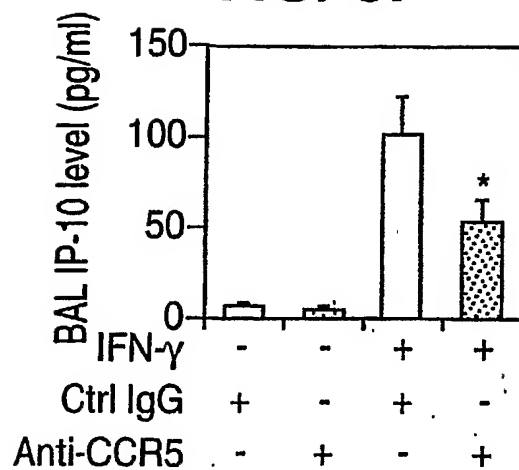
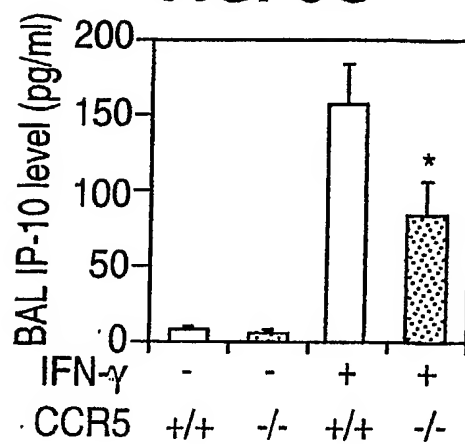
IFN $\gamma$ TG	-	-	+	+
Anti-CCR5	-	+	-	+
MCP-1				
MCP-2				
MCP-5				
MIP-1 $\alpha$				
MIP-1 $\beta$				
MIP-2				
RANTES				
KC				
Lix				
Mig				
IP-10				
I-TAC				
SDF-1				
Lungkine				
$\beta$ -actin				

**FIG. 6B**

IFN $\gamma$ TG	-	-	+	+
CCR5	+/+	-/-	+/+	-/-
MCP-1				
MCP-2				
MCP-5				
MIP-1 $\alpha$				
MIP-1 $\beta$				
MIP-2				
RANTES				
KC				
Lix				
Mig				
IP-10				
I-TAC				
SDF-1				
Lungkine				
$\beta$ -actin				



**FIG. 6C****FIG. 6D****FIG. 6E**

**FIG. 6F****FIG. 6G**

Proteinase and anti-proteinase after blocking  
and null mutation of CCR5 in IFN- $\gamma$  mice

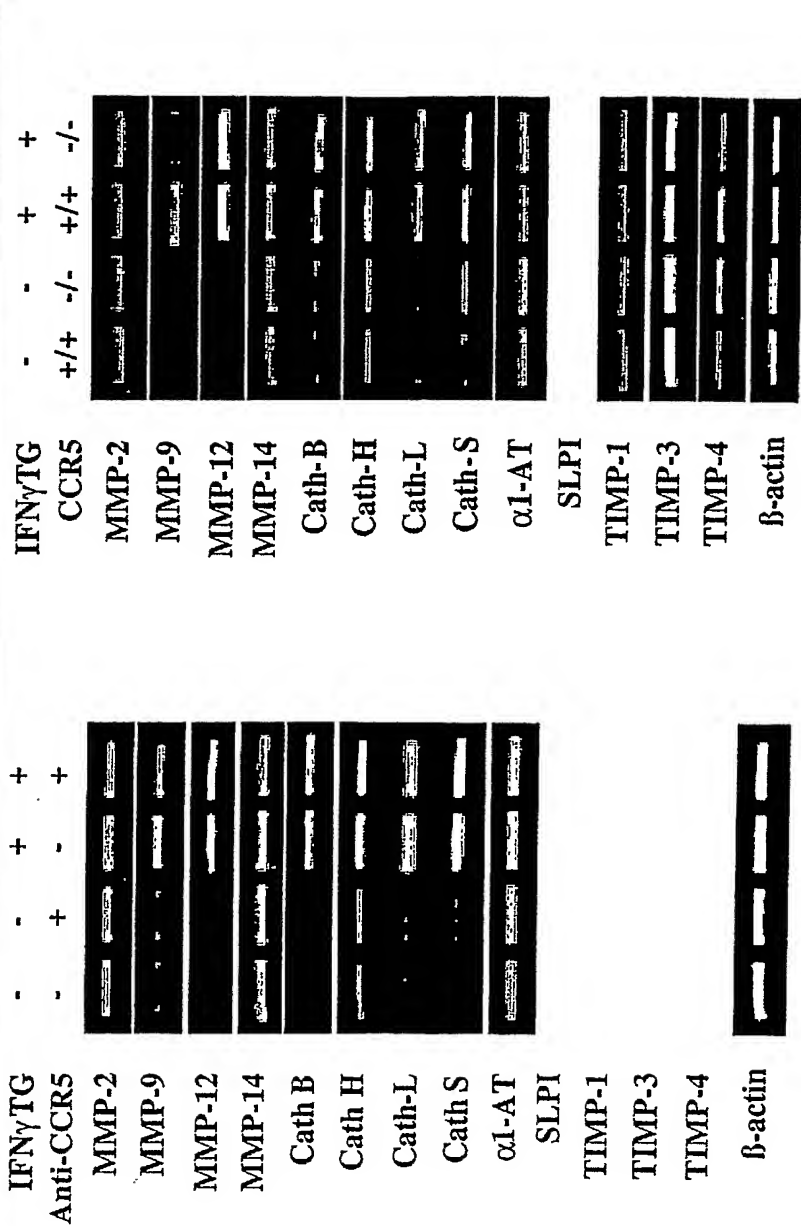
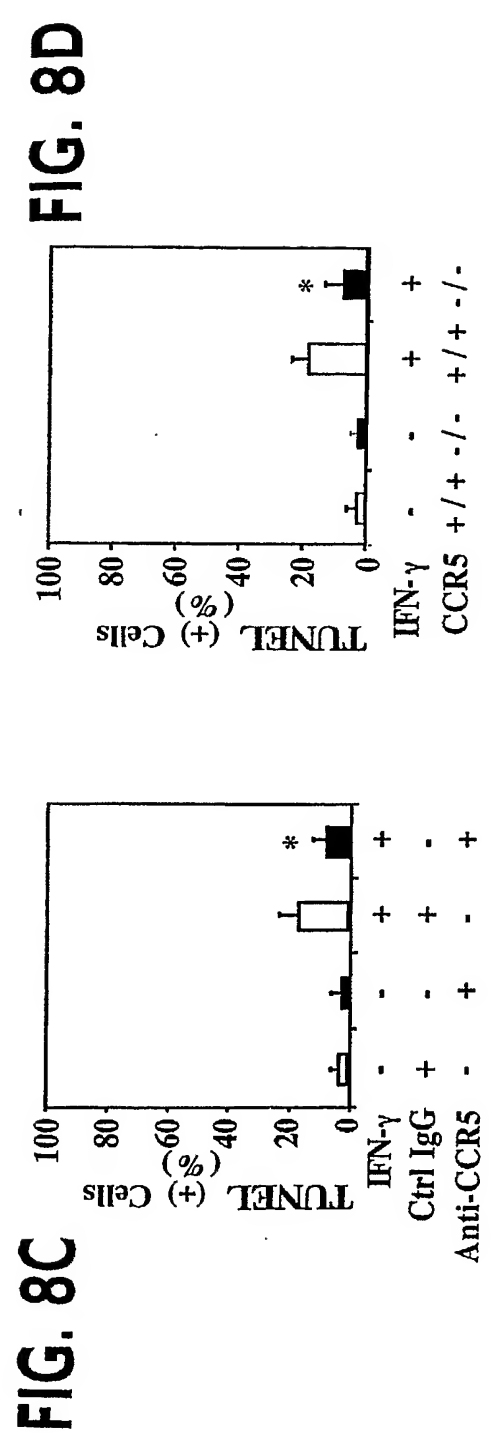
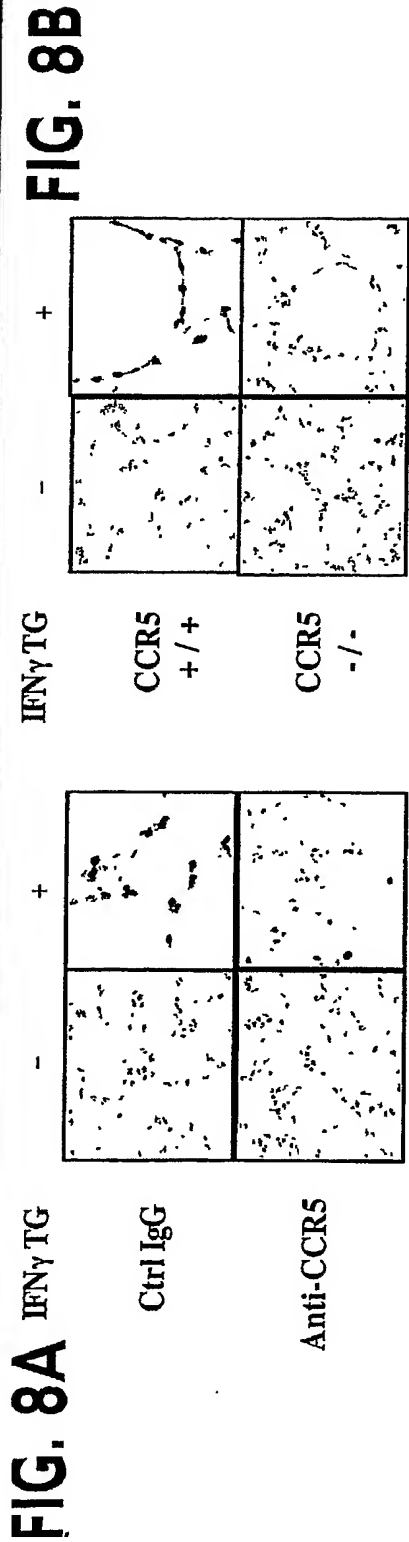
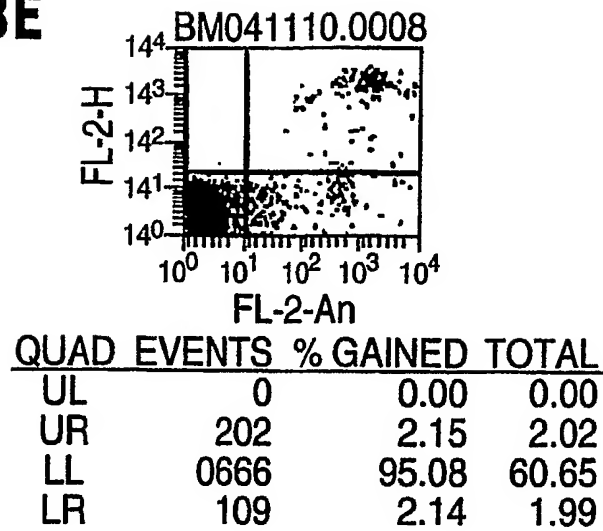
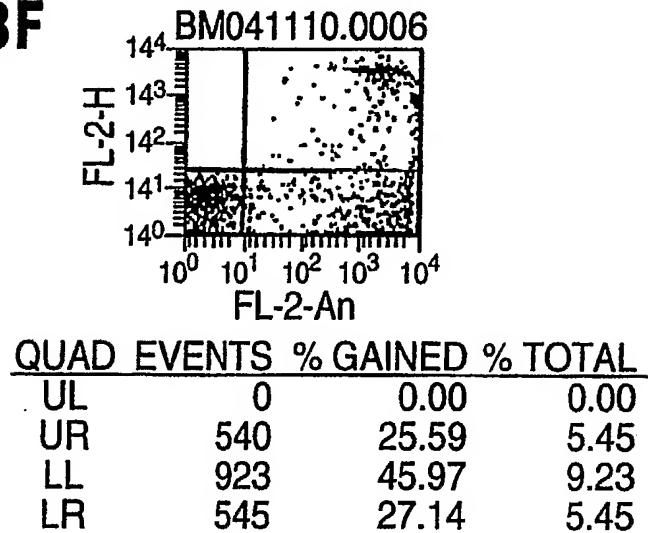
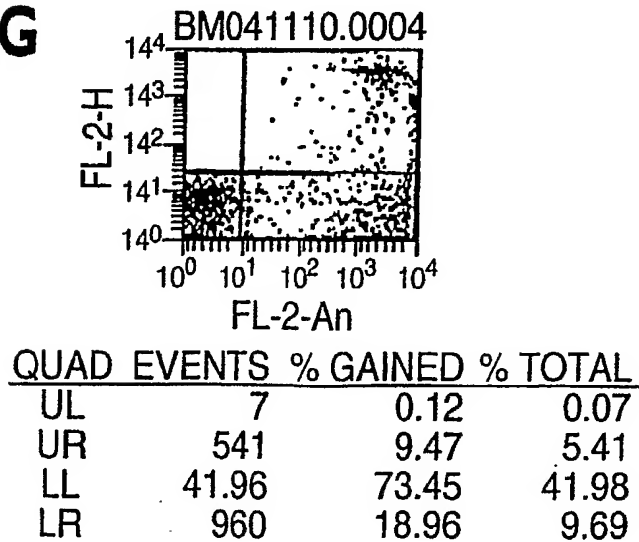


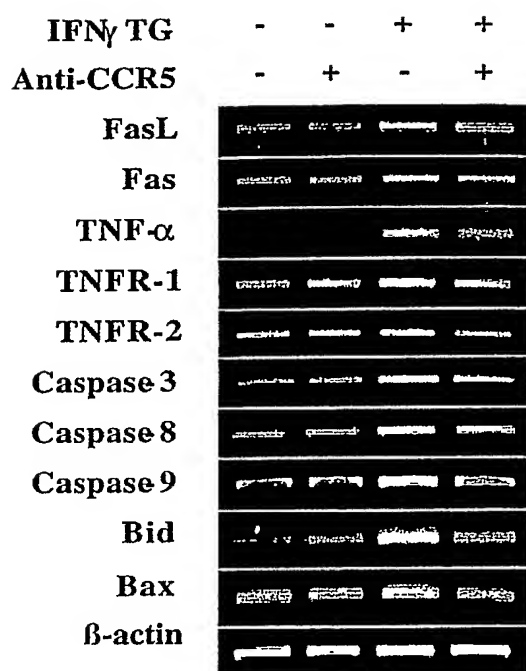
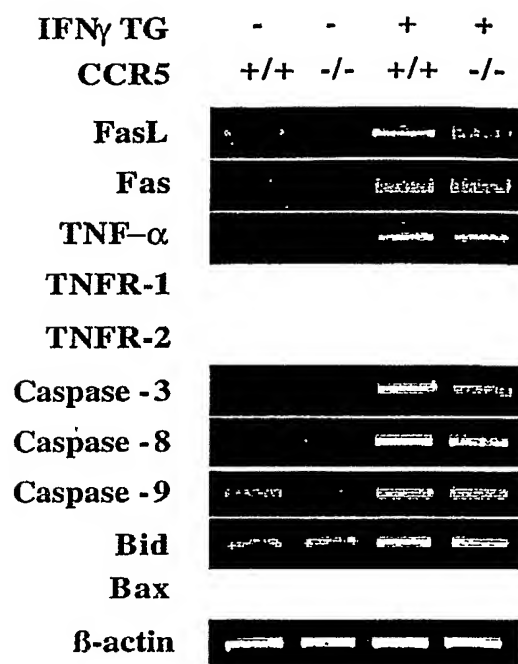
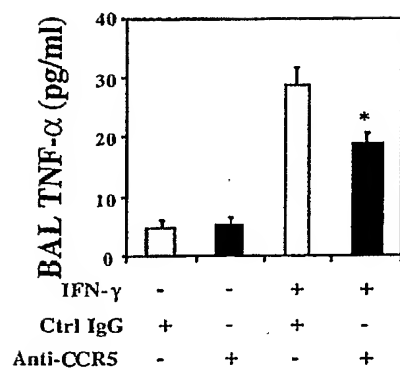
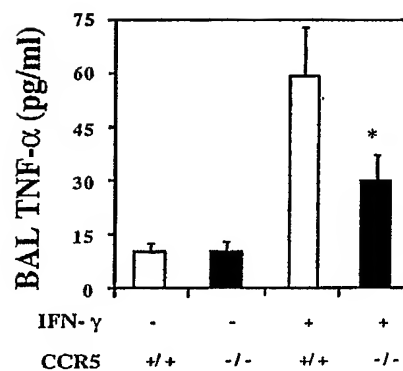
FIG. 7A

FIG. 7B

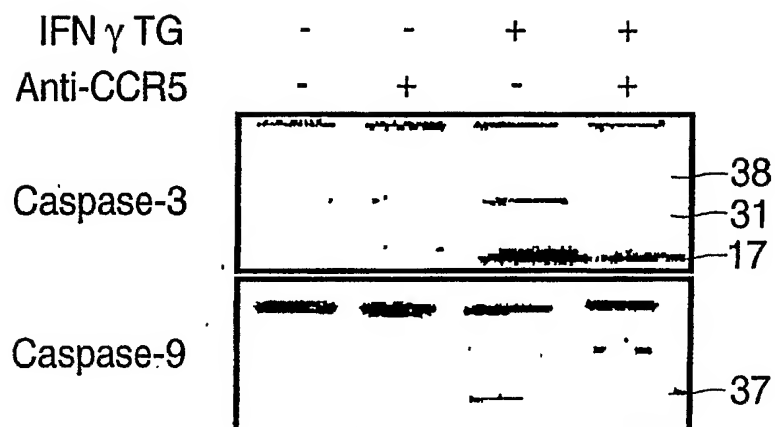
# TUNEL Staining in IFN- $\gamma$ Mouse Lung after blocking and null mutation of CCR5

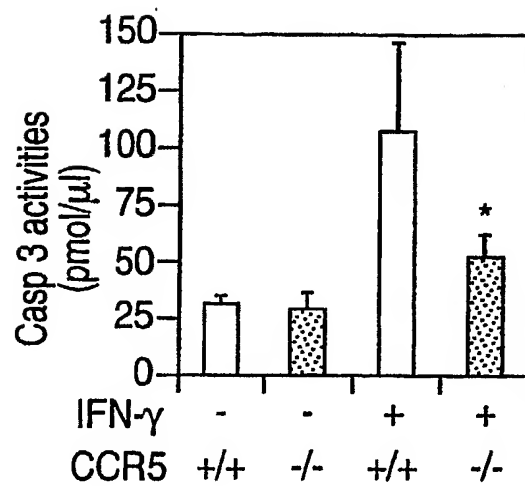
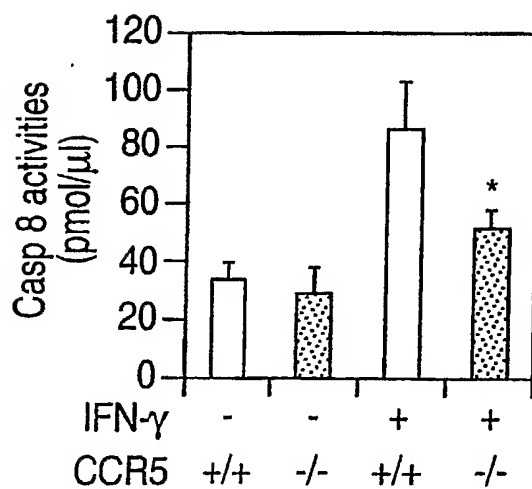


**FIG. 8E****FIG. 8F****FIG. 8G**

**FIG. 9A****FIG. 9D****FIG. 9B****FIG. 9E**

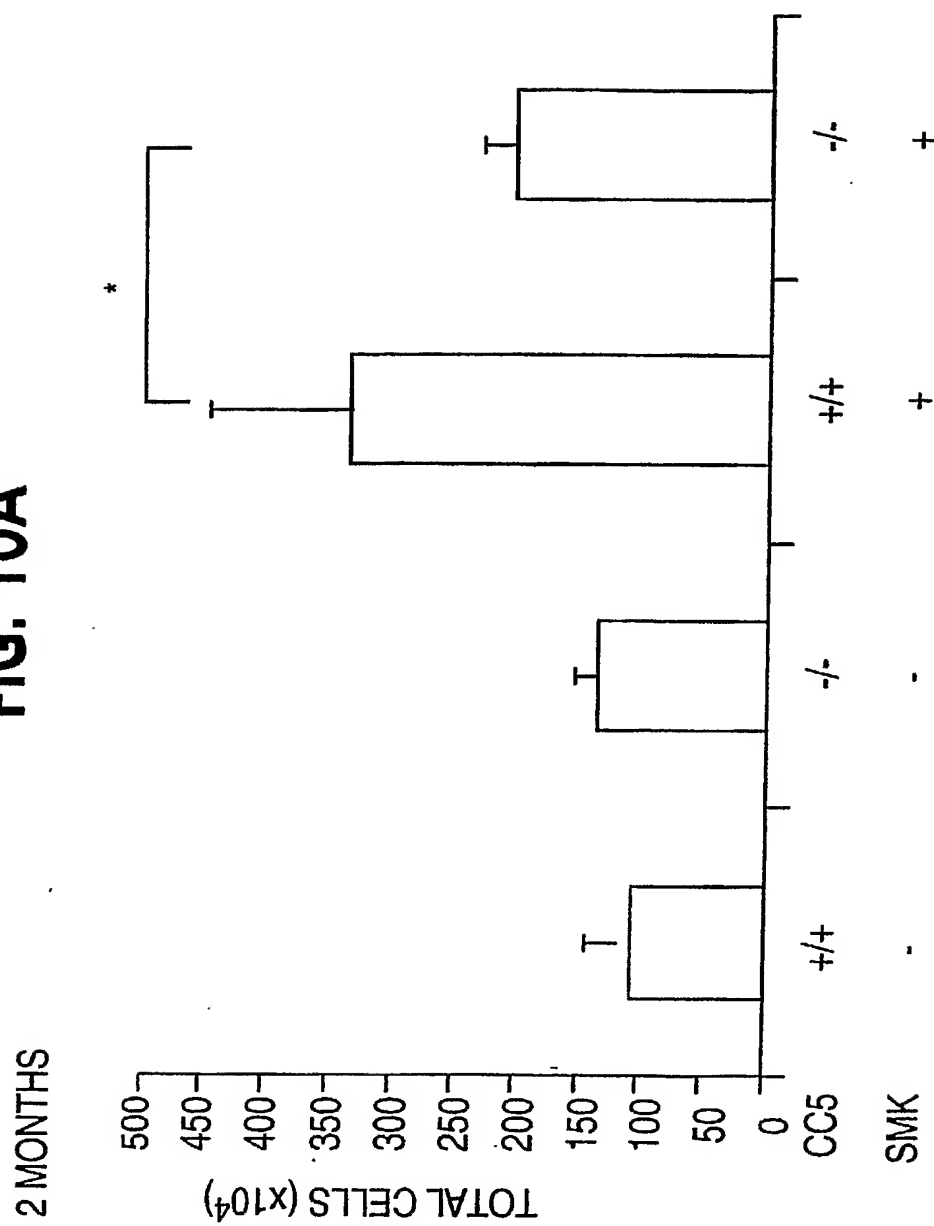
**FIG. 9C**



**FIG. 9F****FIG. 9G**



**FIG. 10A**

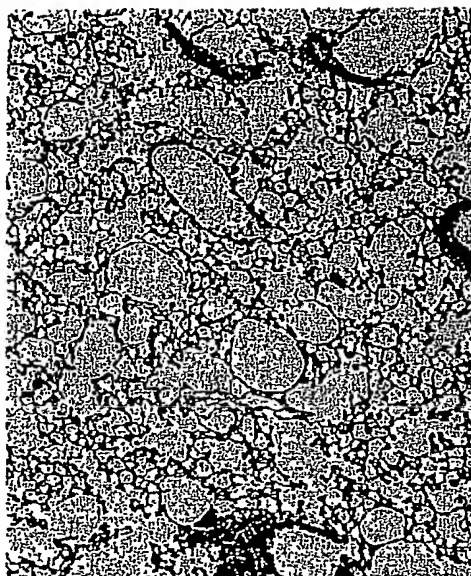


# FIG. 10B

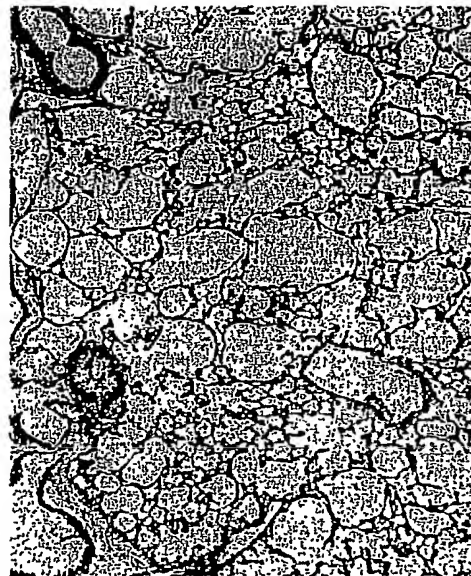
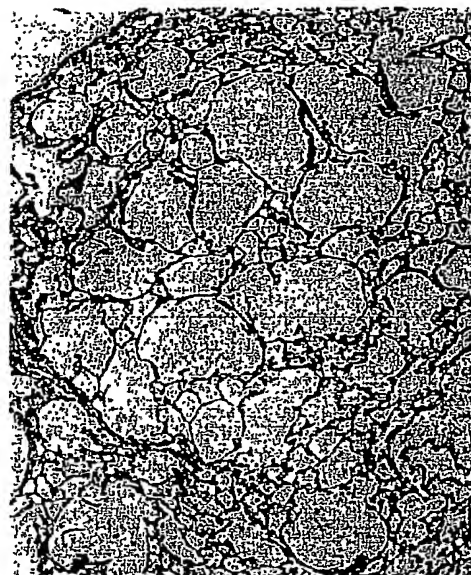
HISTOLOGY (HE) AFTER TWO MONTHS SMOKING EXPOSURE

NON-SMOKING EXPOSURE

SMOKING EXPOSURE



CCR5 +/+



CCR5 -/-



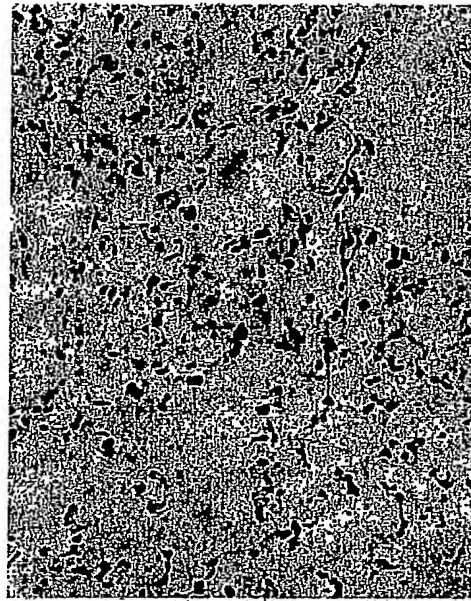
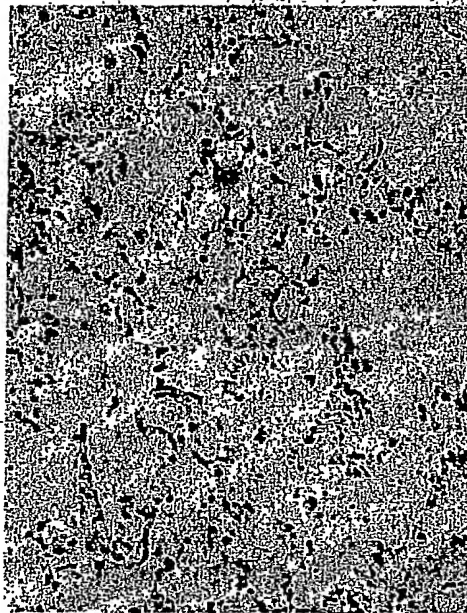
10x H&E

**FIG. 10C**

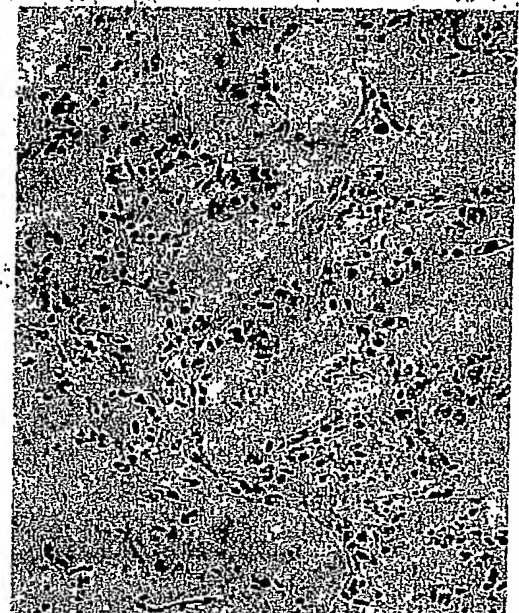
TUNEL STAINING FOR APOPTOSIS AFTER TWO MONTHS SMOKING EXPOSURE

NON-SMOKING EXPOSURE

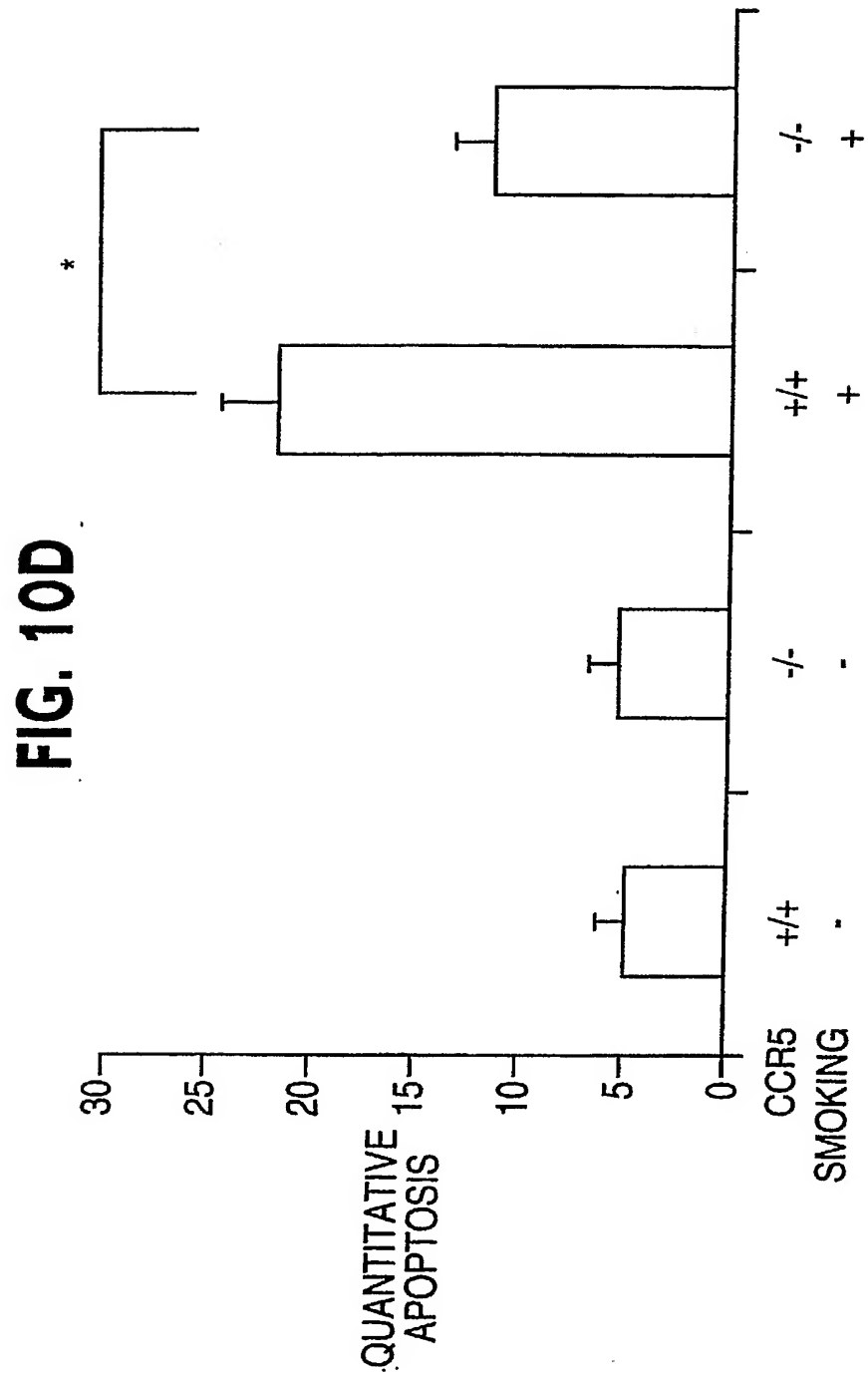
SMOKING EXPOSURE



CCR5 +/+

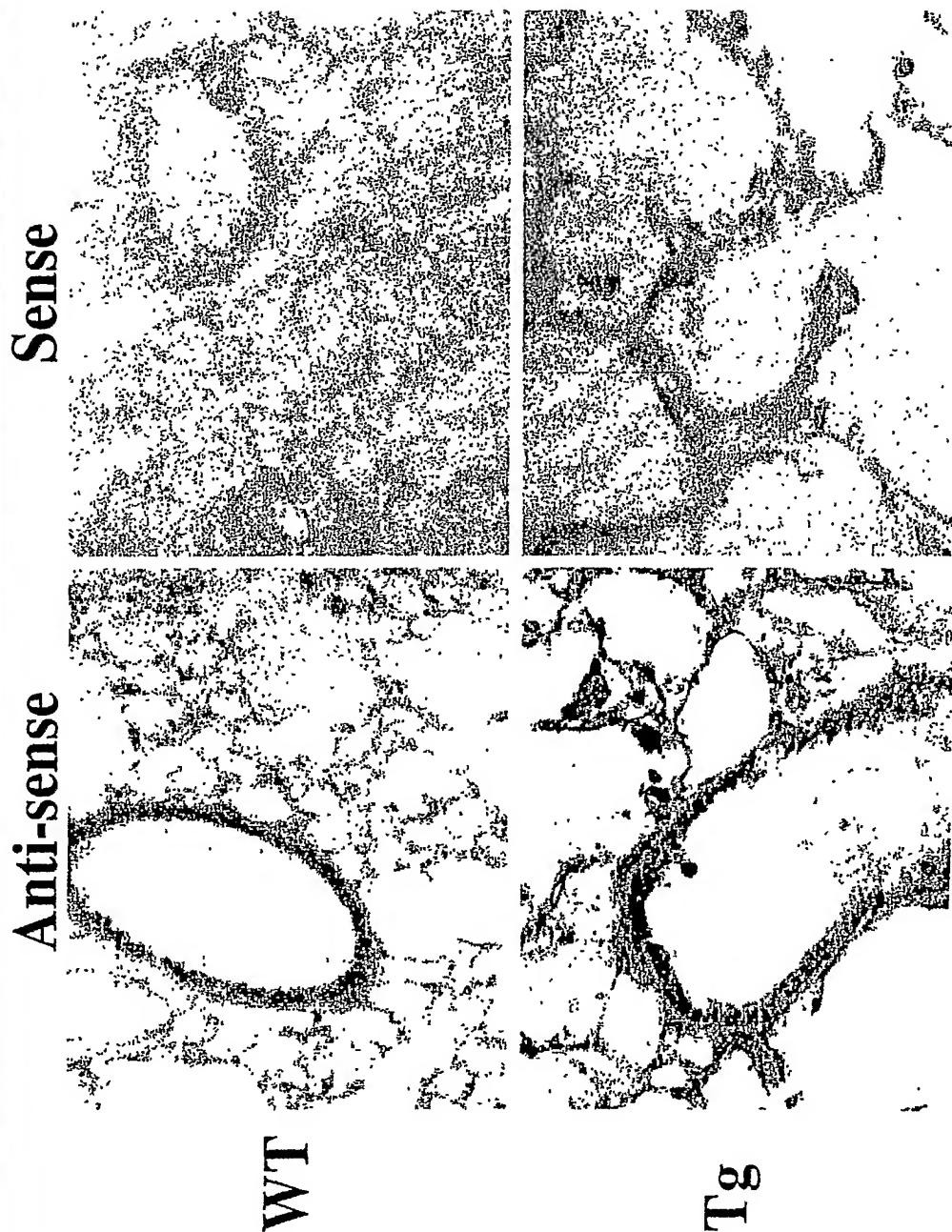


CCR5 -/-

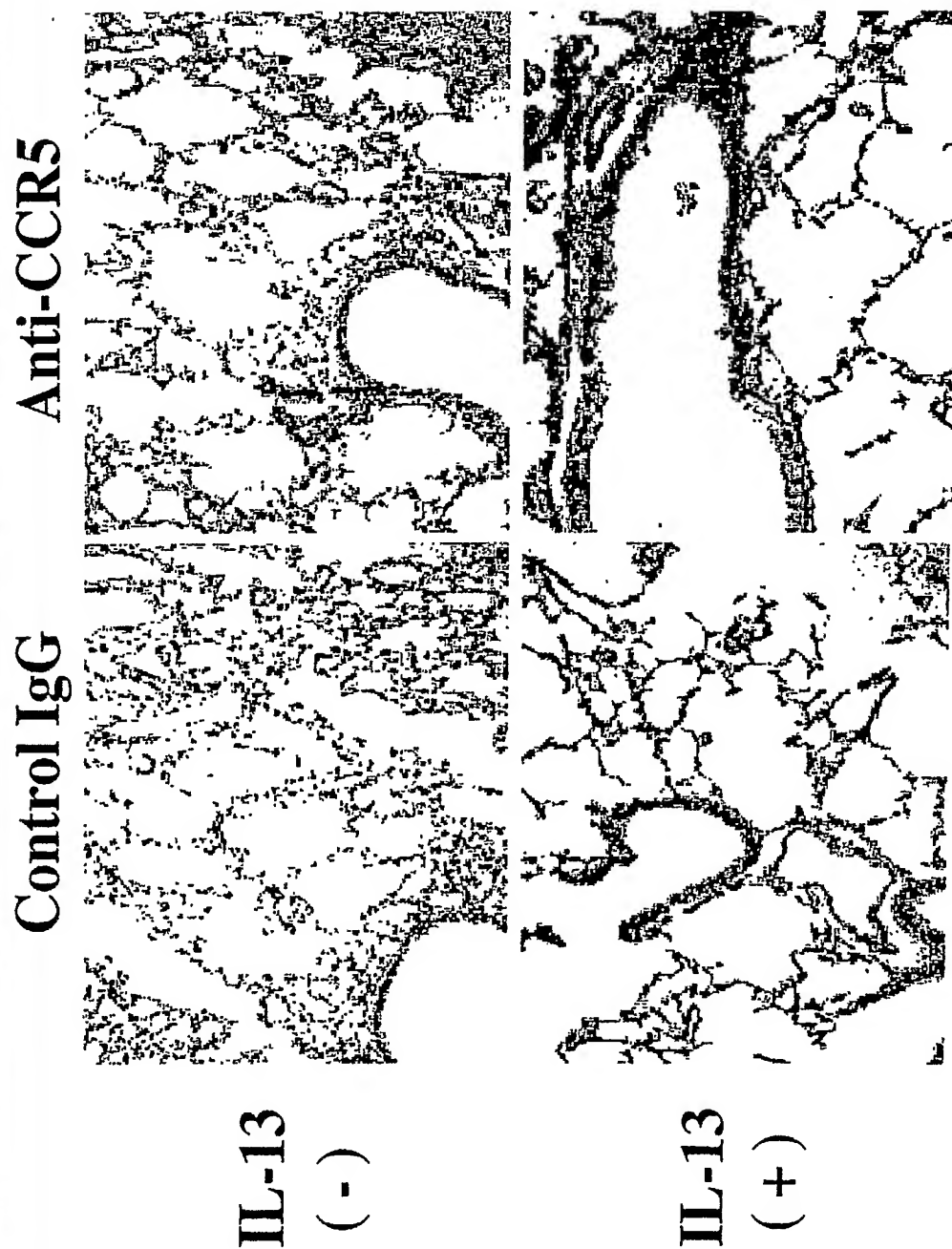


# FIG. 11

## CCR5 ISH in CC10-IL-13 Mouse Lung

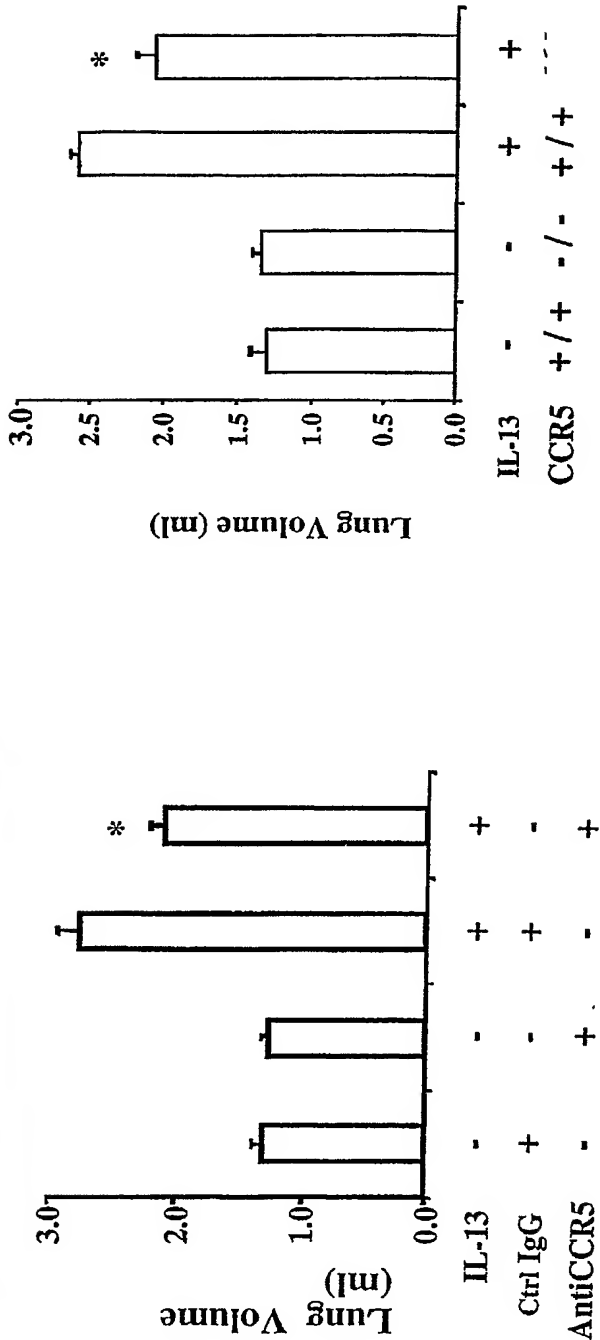


# **FIG. 12** **CCR5 IHC in CC10-IL-13 Mouse Lung**



**FIG. 13**  
**Lung Volume of IL-13 Mice After block and null mutation of CCR5**

Ctrl IgG	+	-	+	-
Anti-CCR5	-	+	-	+
iIL-13	-	-	+	+



**FIG. 14A BAL total cell and differential of iLL-13 mice after block and null mutation of CCR5**

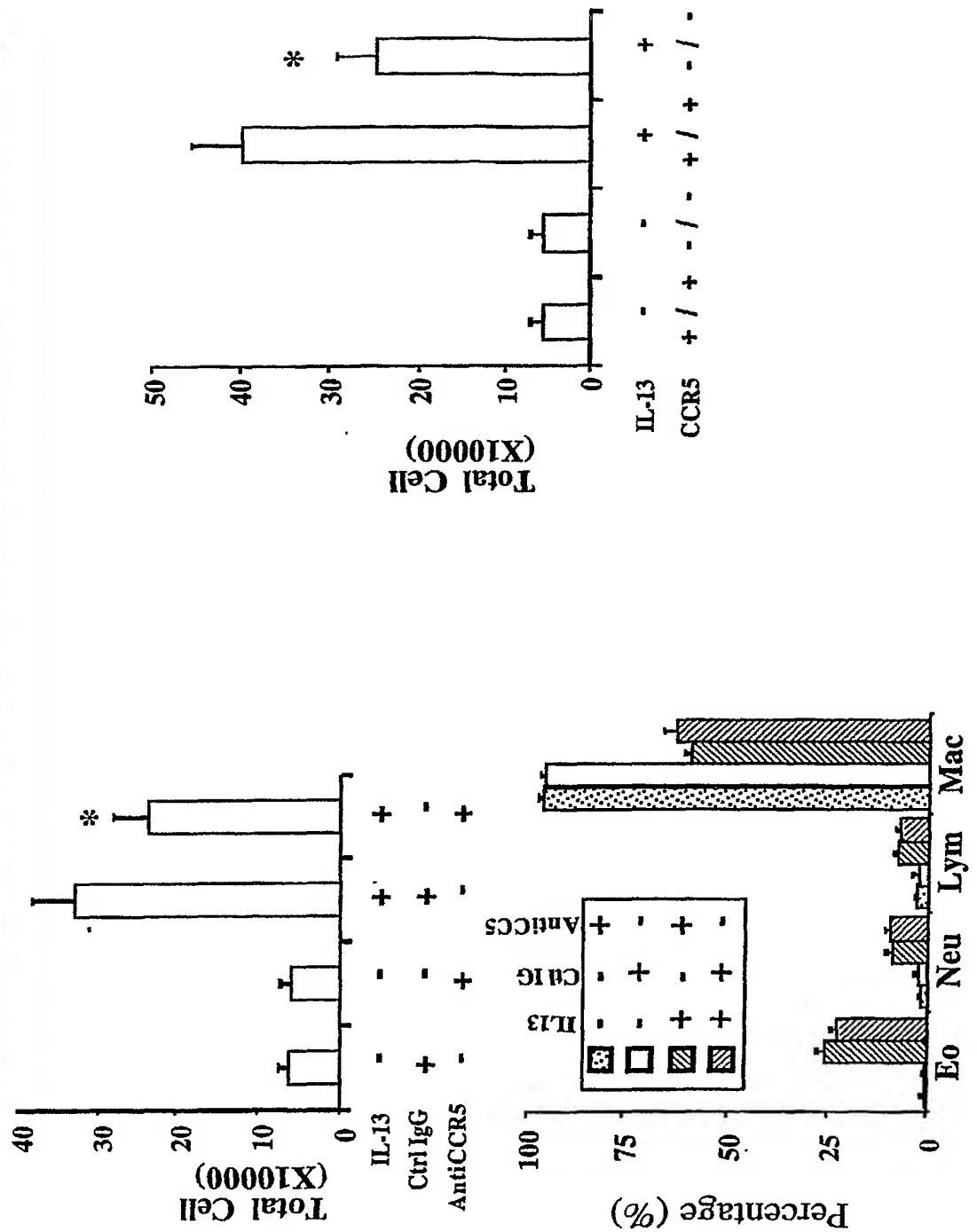
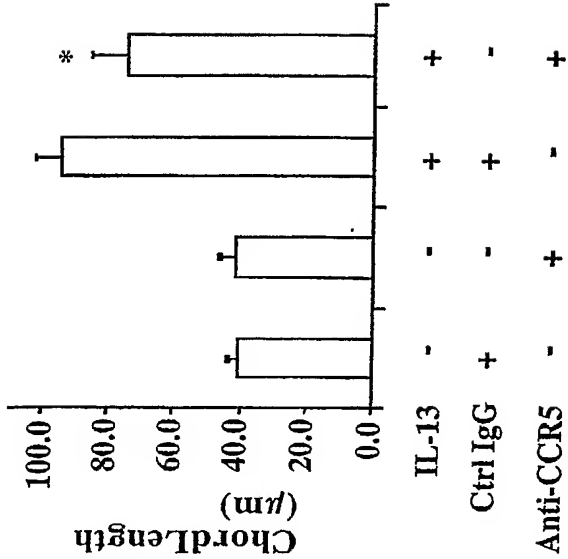
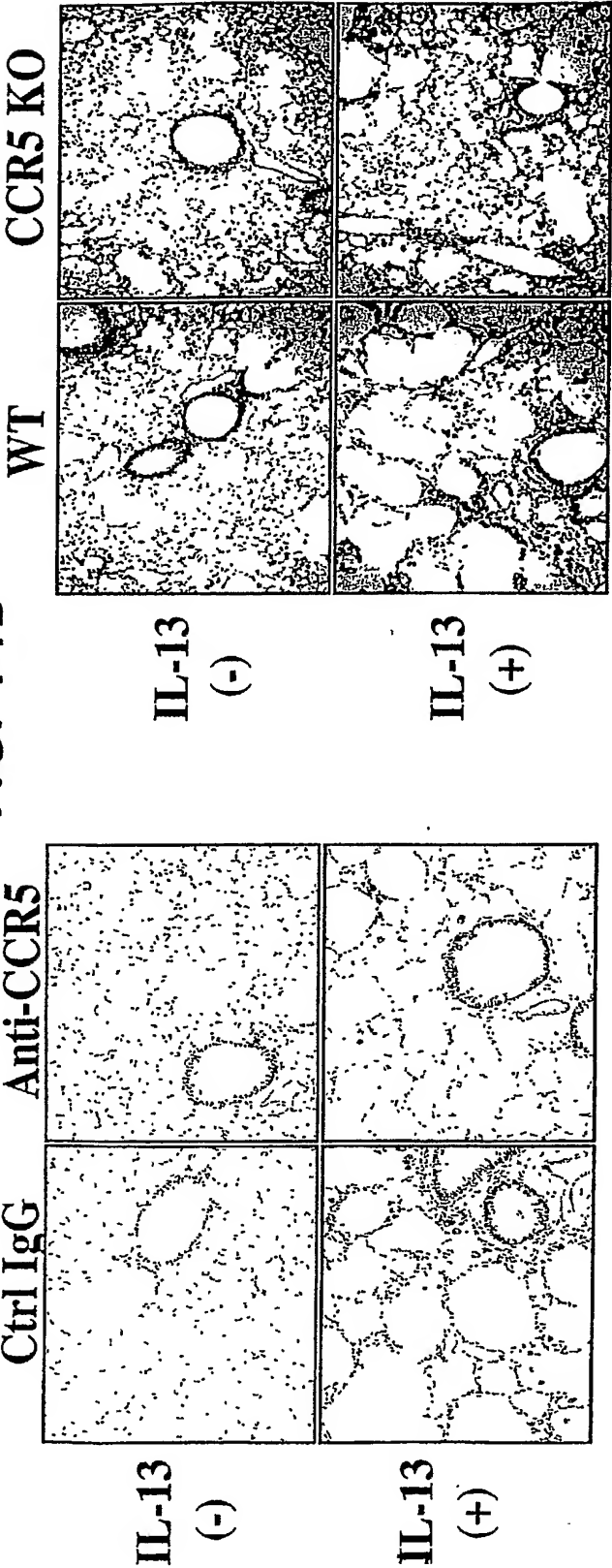
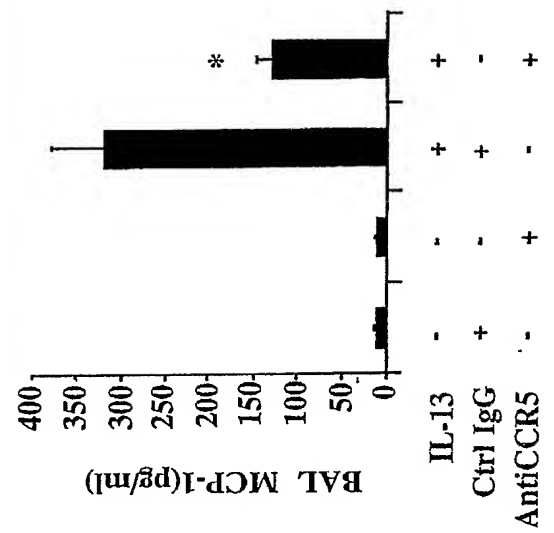
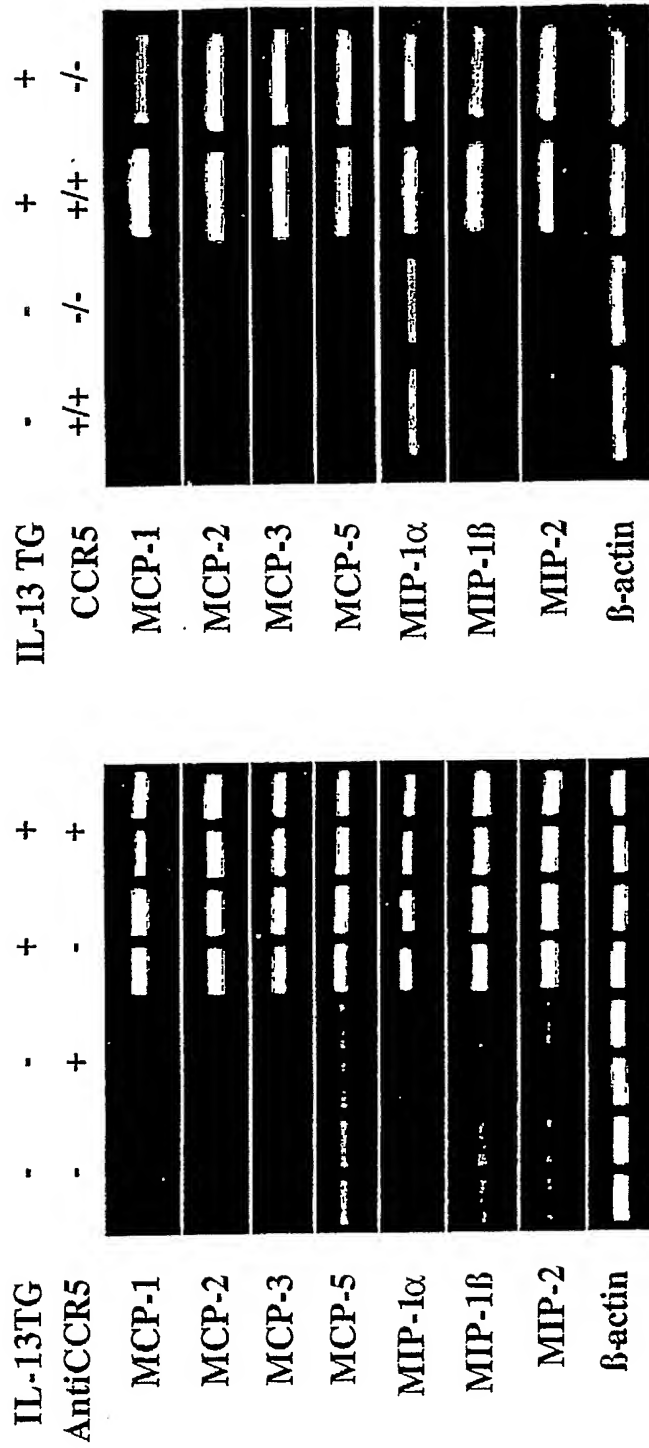


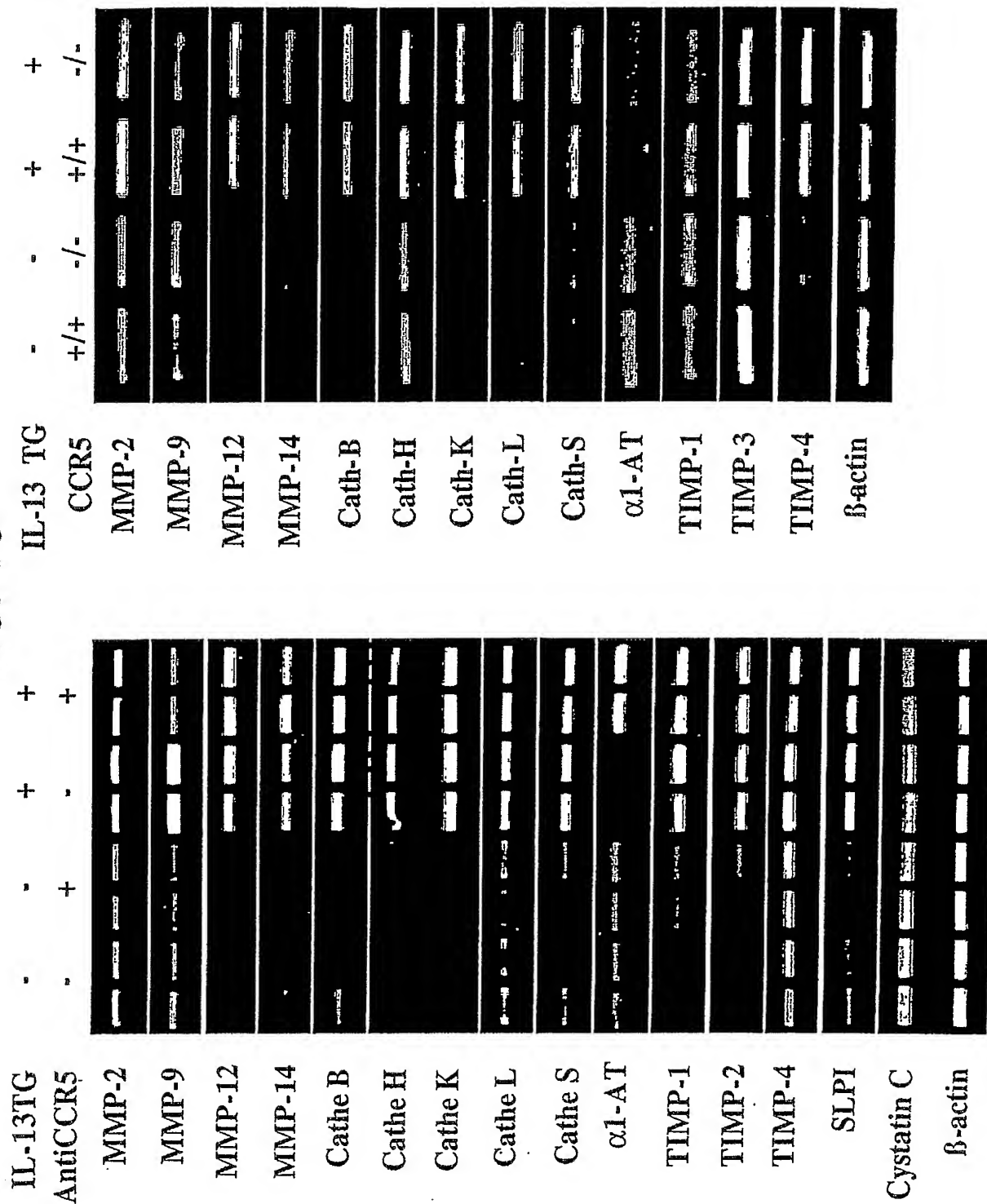


FIG. 14B

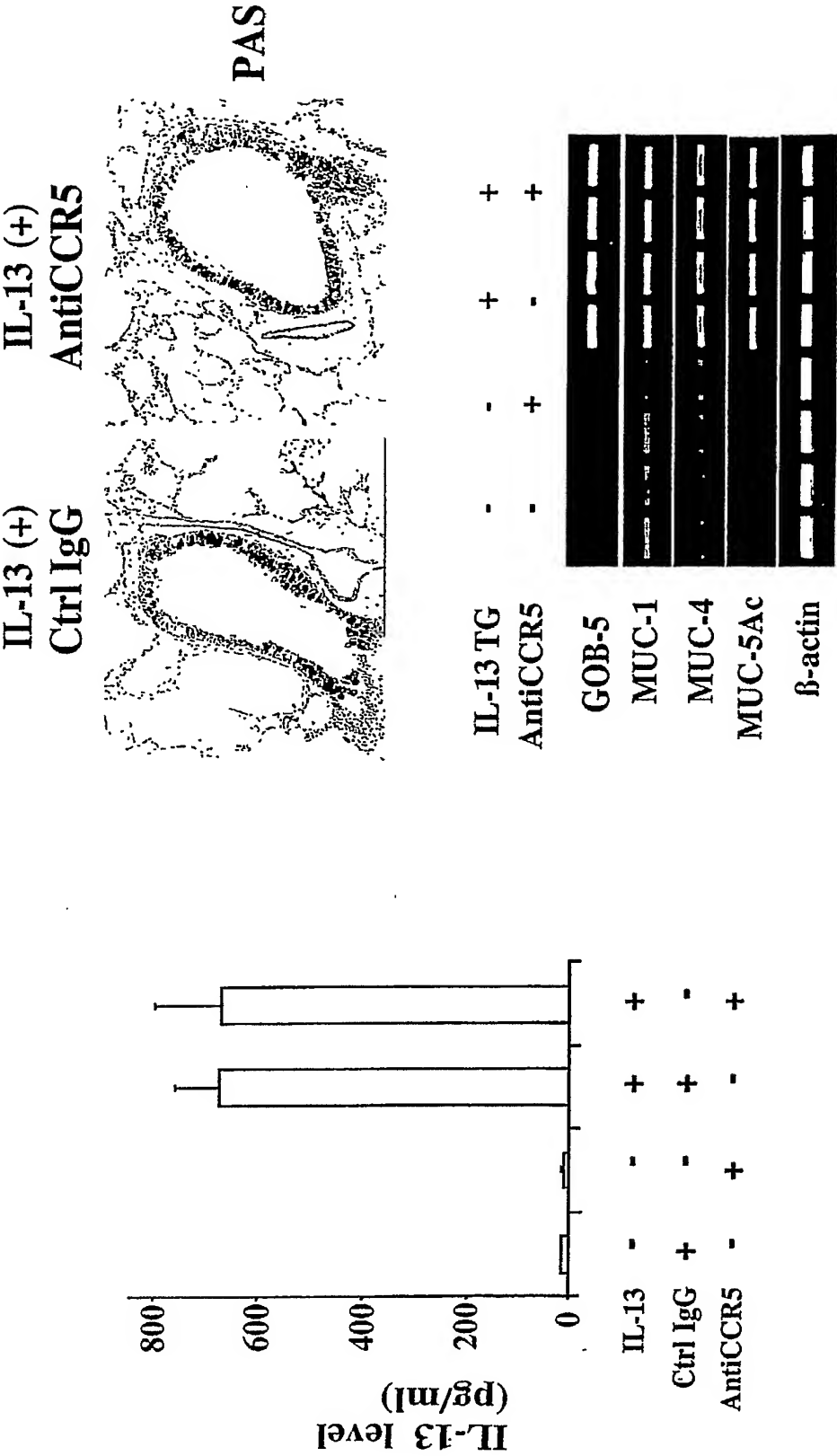


**FIG. 15**



**FIG. 16**

**FIG. 17**  
**BAL IL-13 Level of iIL-13 mice treated with Anti-CCR5 antibody**



**FIG. 18**  
**TUNEL Staining in iIL-13 Mouse Lung**

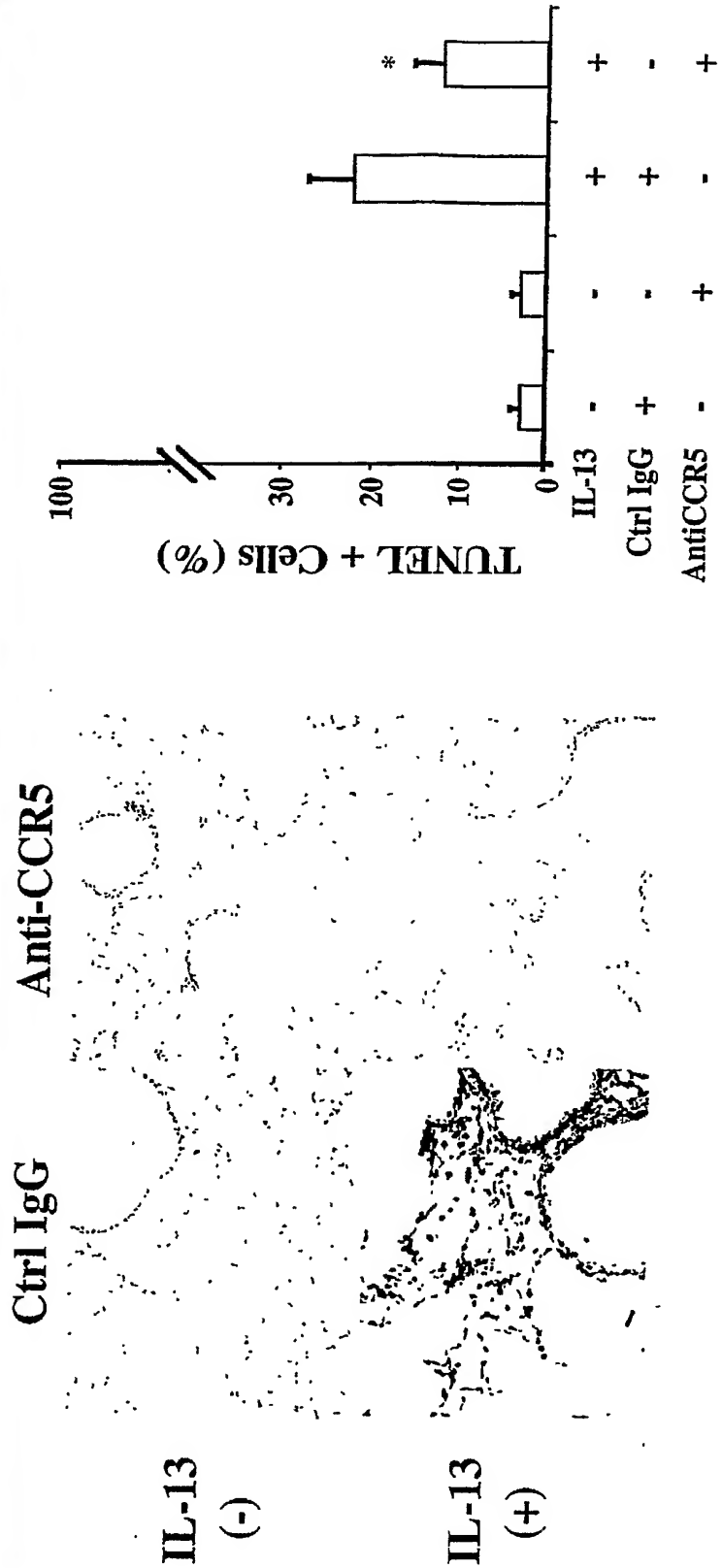
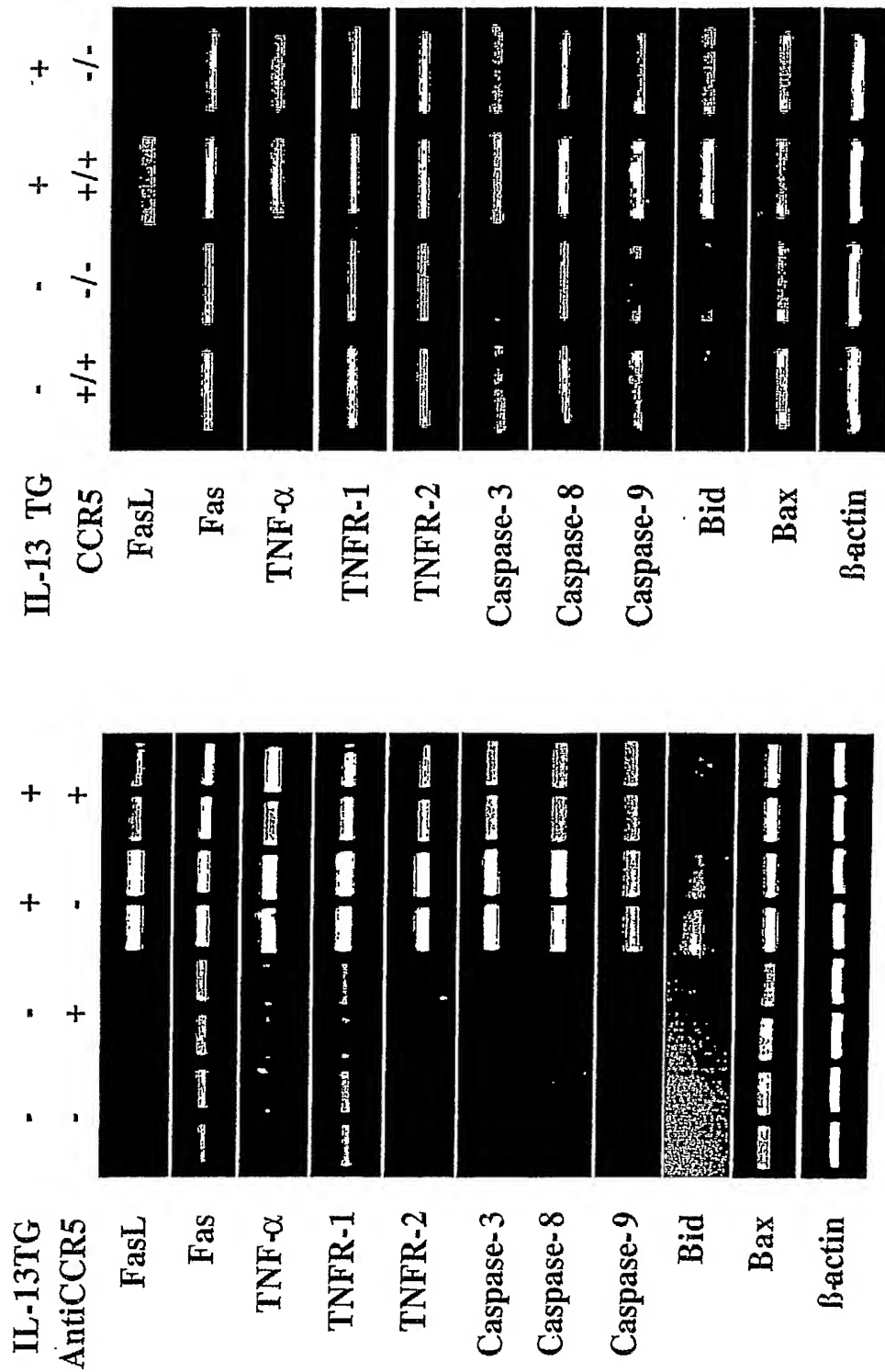
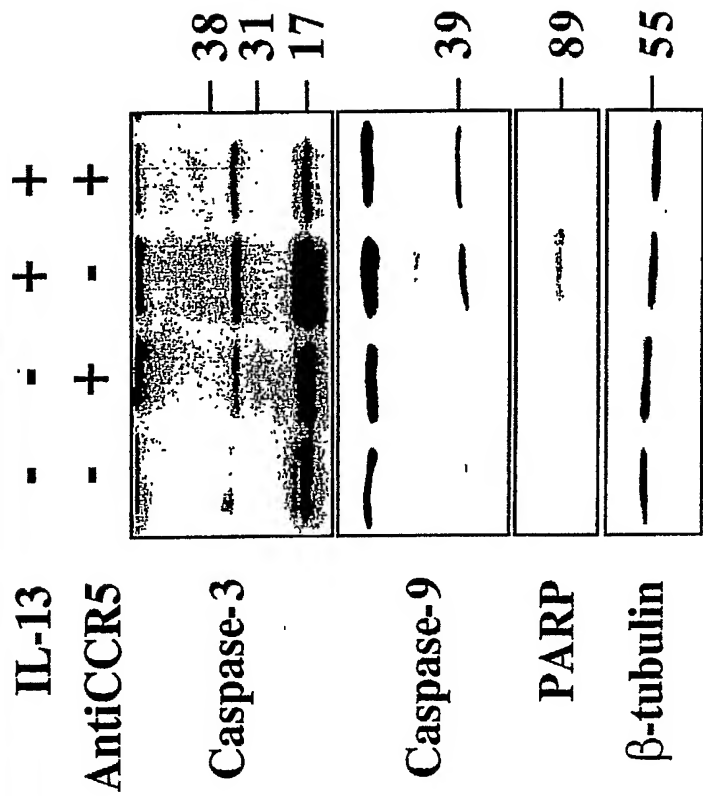


FIG. 19

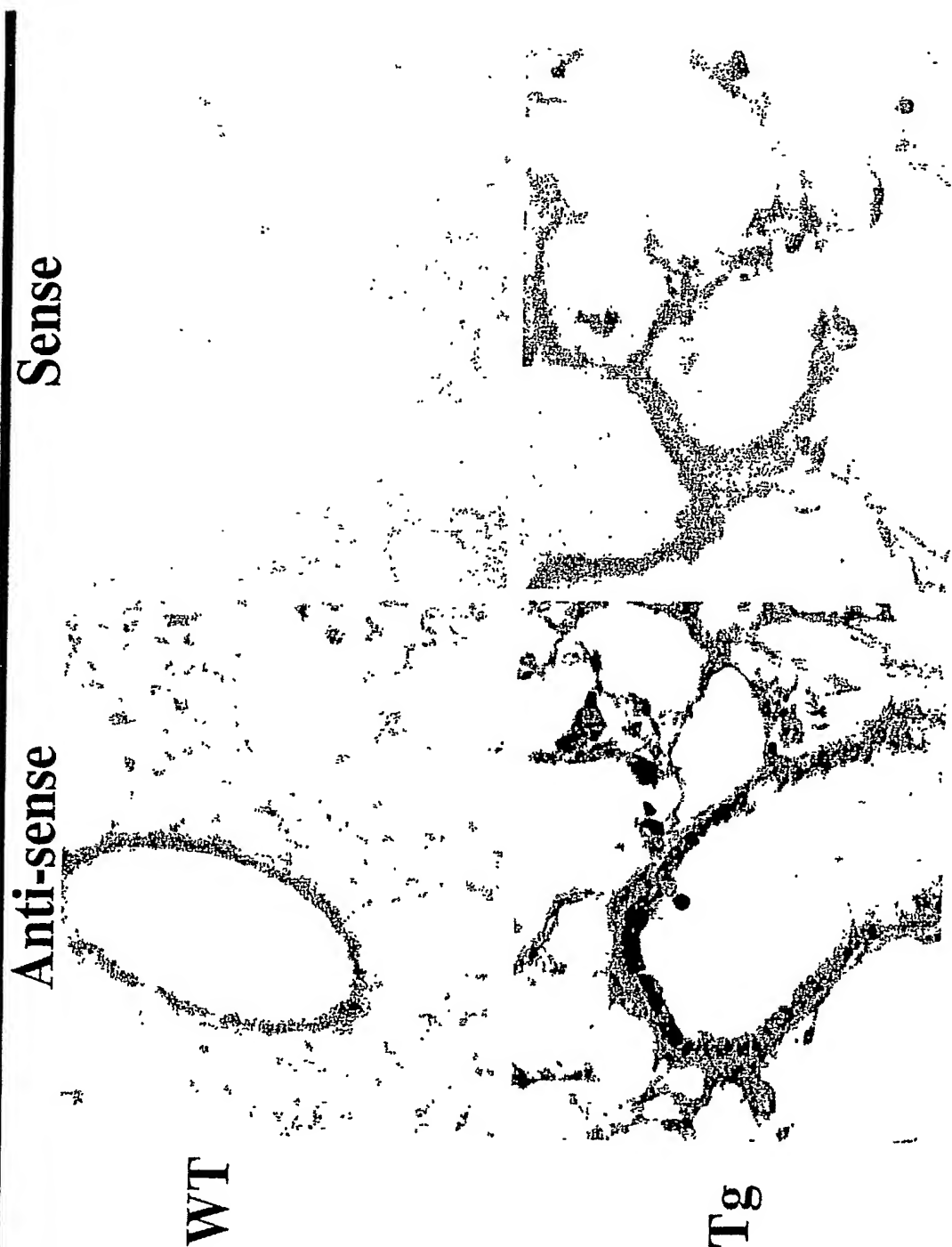


**FIG. 20**  
**Western Blot Detecting Apoptotic Factors in**  
**IL-13 Transgenic Mouse Lungs**

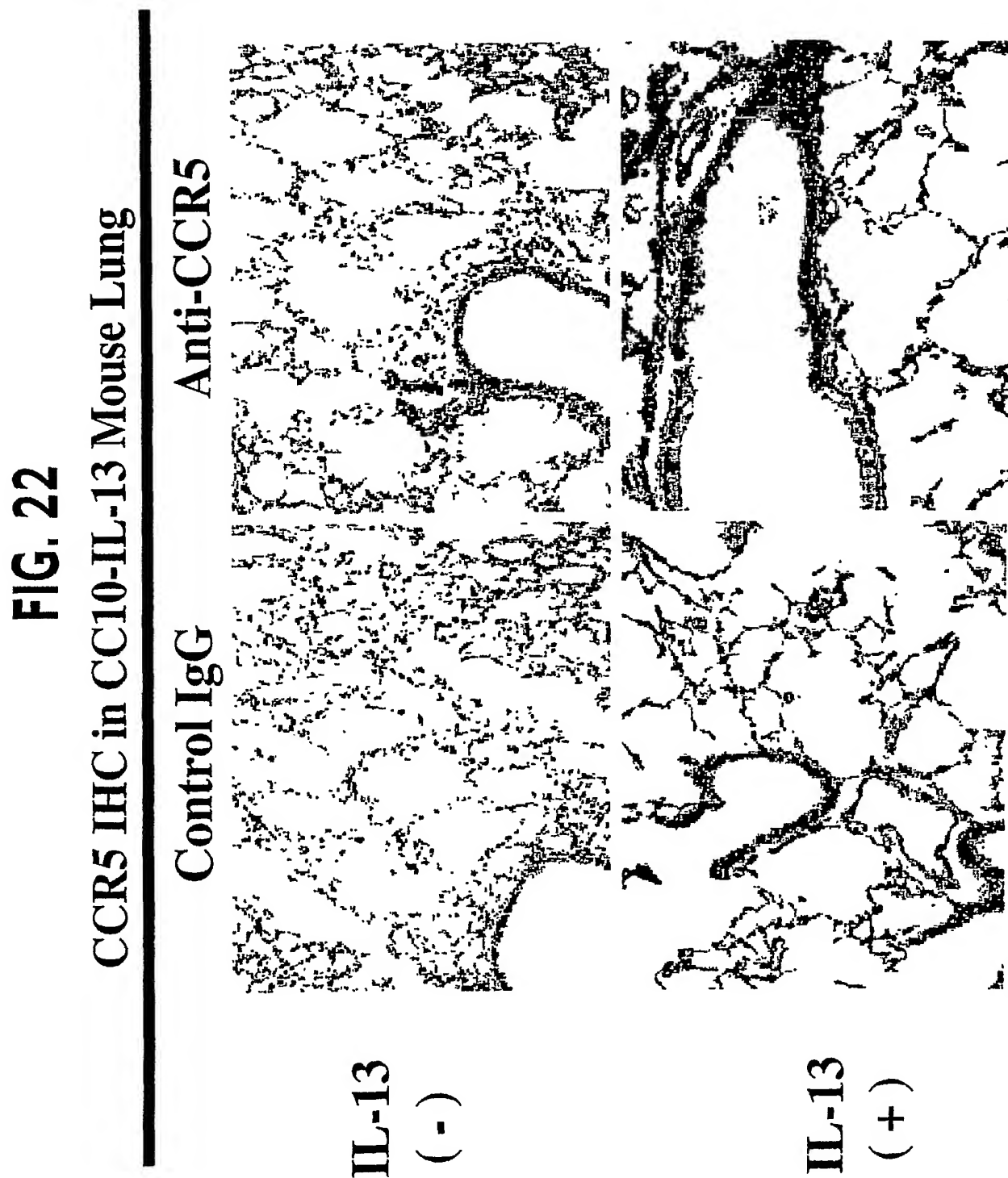


# FIG. 21

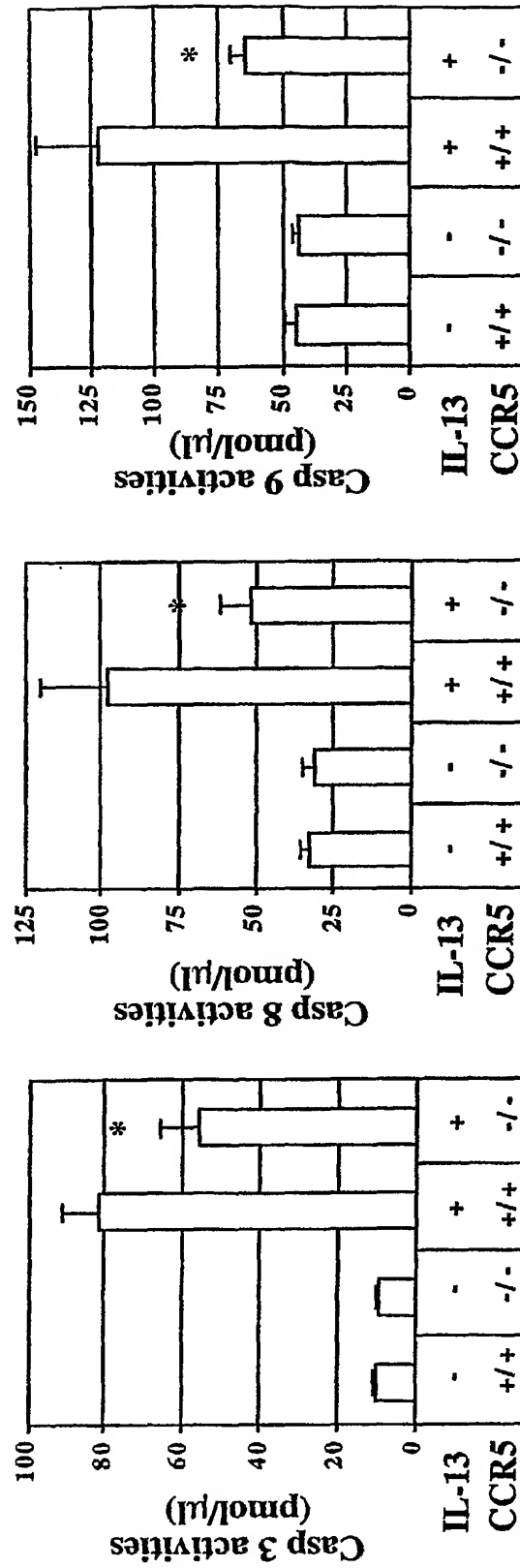
CCR5ISH in CC10-IL-13 Mouse Lung





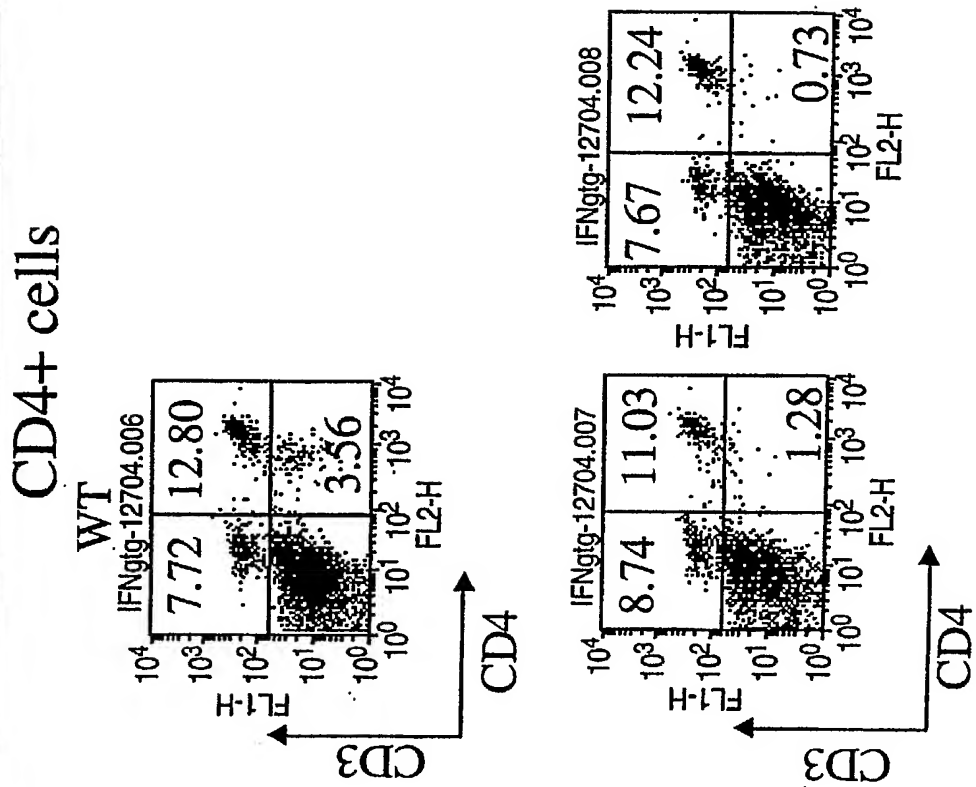


**FIG. 23**  
**Caspase Activities of CCR5ko/IL-13**



# FIG. 24

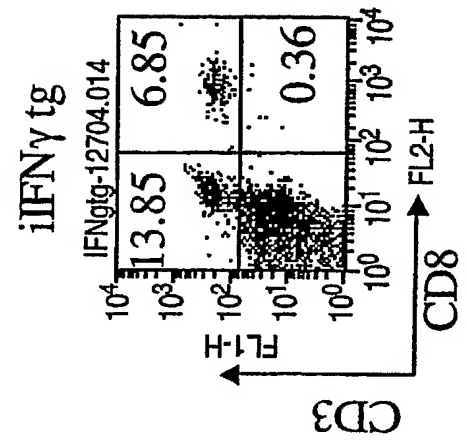
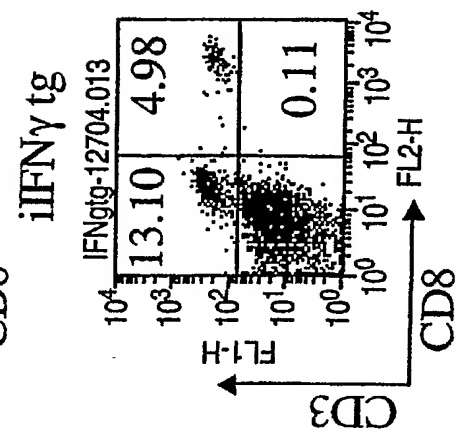
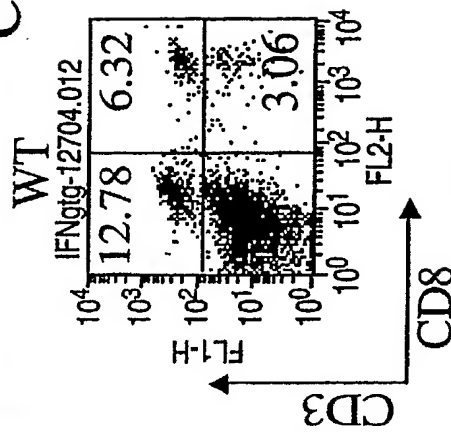
## CD4+ Cells in CC10-IFN- $\gamma$ Mouse Lung



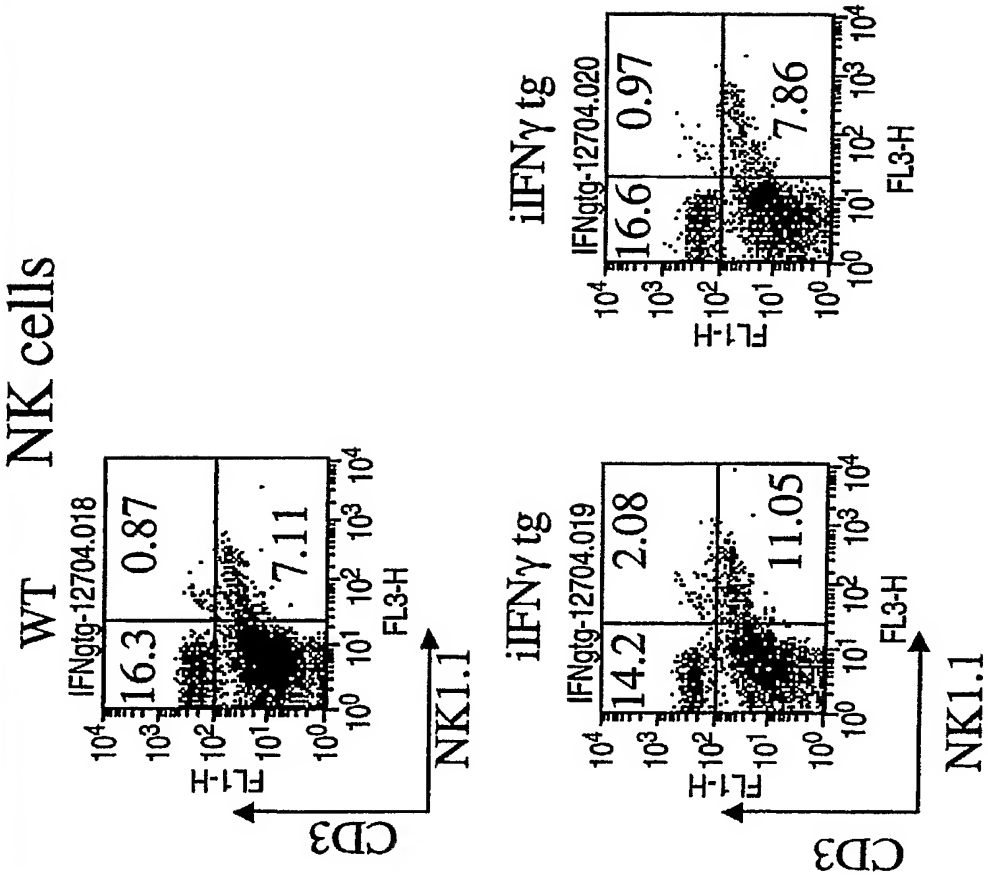
# FIG. 25

## CD8+ Cells in CC10-IFN- $\gamma$ Mouse Lung

### CD8+ cells



**FIG. 26**  
**NK Cells in CC10-IFN- $\gamma$  Mouse Lung**



**FIG. 27**  
**DC Cells in CC10-IFN- $\gamma$  Mouse Lung**

